**AUDIOVOX**
**CDM-4500**

**Dual Mode CDMA/AMPS**
**Handheld Portable**
**Cellular Telephone**

In today's fast paced world, it has become a necessity to have access to real-time information. Your communications tools must provide you with this access. With that in mind, Audiovox developed the CDM-4500.

This CDMA 800 MHz/Amps dual mode phone is our first with a built-in Web Browser. The CDM-4500 also features a Vibrating Alert Option, Voice Recognition and Data Capabilities. In addition, the phone features a Lithium Ion battery providing you with 190 minutes of talk time and 170 hours of stand-by, an Enhanced Phone Book with 99 Alpha/198 Numeric Memory Locations; One touch emergency dialing; 15 distinctive ring tones and Menu Driven Operation.

The CDM-4500 digital cellular telephone has several optional accessories available, including: leather carrying case, cigarette lighter plug-in charger, desktop holder, AC adapter, Hands-free car kit and earphone microphone.

And, of course, your new CDM-4500 digital handset provides you with something only an Audiovox phone can: the proven reliability that has made us one of the leading wireless handset providers.

Please take a few moments to read the following pages of the user's operation manual. It will help you make the most efficient use of this valuable communications tool.

**SYSTEM CONFIGURATION**

System configuration and the equipment list are as shown below

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**WRIST STRAP ATTACHMENT**

Attach the wrist strap to the phone through the strap hole as shown below 1
Then pull the long loop through the smaller loop as shown below 2

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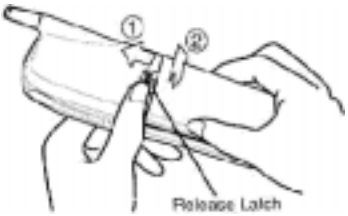
**BATTERY INSTALLATION AND RECHARGING**

**To Attach the Battery Pack**

1. Insert the hook at the end of the Battery Pack into the slot at the end of the phone.
2. Press the Battery Pack down to lock the Battery Pack onto the phone.

**To Detach the Battery Pack**

1. Slide back the Release Latch as shown below.
2. Lift up to remove the Battery Pack from the phone gently



**TO RECHARGE BATTERY**

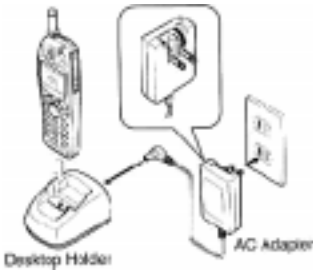
Your CDM-4500 has a built-in charger function. To re-charge the Battery Pack, always install the Battery Pack to the phone.

1. Attach the Battery pack to the Phone
2. Insert the DC plug of the Ac Adapter (CNR-4000) to the Desktop Holder (DTH-4000). Plug the AC Adapter to AC outlet.

| Battery Type | Recharging Time |
|---|---|
| Slim Lithium Ion (BTR-4500) | 1.5-2 h |

3. Place the Phone with Battery Pack into the Desktop Holder.
4. Then the recharging starts. The display indicates "**Now Charging**" with animation. You can see a battery level indicator scrolling at the upper-right of the display.
5. For complete recharging, it is recommended that the phone is turned off during recharging.
6. When the recharging is completed, the display indicates "**fully charged**".
7. It is normal that Battery Pack may become a little warmer during recharging.

The recharging time, from empty to full, depends on the environmental temperature, 0 to +35 ℃.

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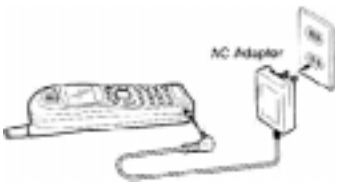
Alternatively you can recharge the Phone using AC Adapter as illustrated below.




**Note**: Do not feed the power to the phone without Battery Pack.

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## Function of Keys

**Key- Board Arrangement**

| | |
|---|---|
| **Digit Keys** | To enter Telephone Numbers, Names or special characters (* or #). 1 is also used for OneTouch Emergency feature. |
| **Function Keys** | |
| | SEND key. To originate or receive a Call. |
| | END key. To terminate a Call and to turn the phone ON/OFF. |
| | To recall phone numbers from memory. Also used as Left-arrow key. |
| | To be used with other keys to activate various special features. Also used as Right-arrow key. |
| | To control Earpiece audio level, Alert Tone and Key Tone. Also used as Up/Down-arrow keys. |
| | To store phone numbers in memory. |
| | To clear digits from the display or from a memory location. |
| | To review Text Messages or to learn how many Voice Messages are in your Voice Mailbox. Also used as Soft key 1. |
| | To access your Voice Mail with only one key. Also used as Soft key 2. |

## LCD Display Indication

| Items | Descriptions |
|---|---|
| | Receiving Signal Strength Indicator. The number of lines indicates the received Signal Strength, and is also used as a POWER ON Indicator. |
| | Digital Mode Indicator. To indicate the phone is operating in digital mode. |
| | A Call is in progress. |
| | The phone is out of Service Area. |
| Rm | The phone is out of the Home-Area. |
| | Message Indicator. To indicate that Text Messages are stored in memory or Voice Messages are in your Voice Mailbox. |
| | Shows that Clock alarm or count down timer is set up. |
| | Battery Level Indicator. Monitors the battery charge condition. |
| ABCDEFGHIJKL MNOPQRSTUVW XYZ12345678 | Graphic full-dot matrix display with flexible font size in 2 to 4 lines. |

Press for more than one second. All the indicators and the digit display will light momentarily, and a tone will be heard. The indicator will stay while the phone is turned on. To turn the phone off, press for more than one second..

**Antenna Position**

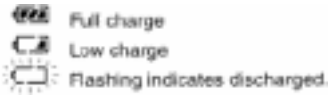
The antenna can be used in its fully extended or fully retracted position only. It is recommended that the antenna should be fully extended for optimum performance and signal strength or while operating in poor signal areas.

**Receiving Signal Strength Indicator**

The number of lines indicates the Signal Strength in your area. Four lines show the maximum level. The display will vary as you move with the phone. If the signal is not strong enough to place a call, "**No Service"** will appear on the LCD display.

**Battery Level Indicator**

You can always monitor the battery charge condition with the constant battery level indicator. The number of blocks indicates the battery conditions as follows:




**Power Management**

| Battery | Mode | Talk Time (up to) | Standby Time (up to) |
|---|---|---|---|
| Slim Battery (BTR-4000) | Digital | 190 min. | 170 h |
| | Analog | 65 min. | 12 h |
| Extended (BTE-4000) | Digital | 380 min. | 340 h |
| | Analog | 130 min. | 24 h |

The operating times are approximate values and may vary depending on network configuration and handset usage.

**BASIC OPERATION**

**Placing Calls**

**To Place a Call**

1. Enter the phone number. (A maximum of 32 digits will be displayed.)
2. Press .

   The " IN USE " indicator will light.

- **To Correct a Number**

Press to clear the last digit.

Press and hold to erase all the digits entered.

- **If the Call Fails to Go Through**

Press , and to redial the number.

**To Terminate a Call**

Press . The **“** ” indicator will go out.

**Last Number Redial**

Press , to recall the last number you dialed, then press

See Call History.

**To Dial the Last Number Received**

Press , to dial the last number with caller ID you received, then press .

See Call History.

**Phonebook Dialing**

Press and enter an address (01to 99) to recall a number from your phonebook, then press

See Phonebook Recall.

**To Mute A Phone Conversation**

Press , to mute your conversation at any time during a call. “**Mute**” will be displayed.

To return to normal conversation, Press , again.

**Speed Dialing**

If you know the phonebook address of the telephone number that you want to call, you may place a call without using .

1. Enter the one or two digits of your phonebook address (1-9 or 10-99).
2. Press . The phone number will be displayed. The “ ” indicator will light, and the call will be placed.

***Note**: If two telephone numbers are stored in the address, the Primary Number will be dialed.*

**Quick Dialing**

When this feature is on, the Primary number in your Phonebook address 02 to 09 can be dialed with just one push of the key.

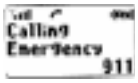
1. Press a digit key ( 2 to 9 ) for more than one second.
2. The number in your phonebook is automatically dialed. The phone number will be displayed. The " IN USE " indicator will light.

*NOTE: The key 1 is not for Quick Dialing, but for **ONE TOUCH EMERGENY CALL.***

**Emergency Call**

This feature permits you to place an emergency call even if your telephone is in "**Phone Lock**", "**Keypad Lock**" or "**Restrict**" mode. Up to 3 numbers can be programmed as Emergency numbers. The emergency number "**911**" and "***911**" are already preprogrammed.

**Example:** To Call 911 in "**Phone Lock**" or "**Keypad Lock**" mode.

1. Enter 9 1 1. The "**911**" will not be displayed, but "**Phone Lock**" or "**Keypad Lock**" will be displayed.
2. Press . The "**911**" will be displayed. The " IN USE " indicator will light, and the call will be placed. 


**OneTouch Emergency Call**

This feature permits you to dial an emergency number by a single keystroke, even in the "**Phone Lock**" or "**Restrict**" mode. This feature can be turned off to prevent unintentional calls to the emergency number.

1. Press and hold 1 for more than 2 seconds. The number in emergency memory location "1" will be dialed.
2. Then the " IN USE " indicator will light, and the call will be placed. (The factory preset number is "911".)

***Note:** The feature cannot be used if the Keypad Lock is on. You need to dial all the digits and .*

**Emergency Call Mode**

When you dial one of the 3 pre-programmed emergency numbers, your phone will enter the **Emergency Call Mode.** In this mode, the phone will attempt to complete the emergency call using any available cellular system from which it can obtain service.

After it places an emergency call, the phone will stay in the **Emergency Call Mode**, and will display "**Emergency Call Mode, END to exit**". In the **Emergency Call Mode**, the phone will attempt to continue to receive service from the cellular system that it used to complete the call. The phone will automatically exit the **Emergency Call Mode** after 5 minutes or after you press END.

## Receiving Calls

**To Receive a Call**

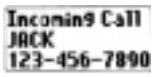
When the telephone rings, press to answer the call. The " IN USE " indicator will light.

**Any Key Answering**

This feature permits you to answer an incoming call by pressing any key on the keypad except and .

**Caller ID with Name**

This feature allows you to preview in your display the number and name of the party calling you before you answer the call. The name is as you programmed it in your phonebook.

1. When the phone rings, the Calling Number appears in the display. 

2. The last 10 caller ID's are stored in the memory for your review and redial.

***Note:*** *"**Number Restricted**" or "**Number Unavailable**" is displayed when the caller ID is restricted or not available.*

**Automatic Calls-in-Absence Indictor**

This feature indicates the number of unanswered incoming calls. If incoming calls are not answered, the LCD display will indicate "Called **XX**"."**XX** is the number of calls (01 to 99) missed. Depressing any key will clear the display.

**Ringing Tone with Melody**

The CDM-4500 offers you 15 styles of ringer tones and melodies for alerting incoming calls. Ringer volume can also be adjusted.

**Distinctive Ringing (Audible Caller ID)**

You may program different ringer styles for different phonebook address.

## During Calls

**To adjust the Earpiece Volume**

Simply press or to adjust Earpiece Volume during a call.


**Scratch Pad Dialing**

If you enter a telephone number during a call, the number will be stored in the Scratch Pad memory.
After terminating the call, the number you entered can be dialed by .

**Note:** You can deactivate "**Sending DTMF**" so that keypad tones will not be transmitted to the calling party.

**Automatic Talk Timer**

The talk time of the current call will be automatically displayed. For example, "**1h23m45s**".

**Call Waiting**

Your service provider may provide Call Waiting service. When you are on a call, you may hear beep tone alerting you of another incoming call. Your phone displays "**New Caller**" and the caller's ID with the name. The name is as you programmed it in your phonebook.

1. Press to answer the new call.
2. Press again to switch between the two calls.

**Three- way Calling**

Your Service provider may provide Three-Way calling service. When a call is already in progress, you may call the Third party.

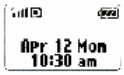
1. Enter a number and press to call the third party.
2. Press again to connect all three parties.

Ask your service provider for the detailed information.

## Standby

**Clock Indicator (Digital Mode Only)**

When the phone is in an area with digital service (Digital Mode), Date and Time are automatically displayed, if this feature is enabled.

**Example:** 


Notes: 1. During Digital Mode, the indicator lights.

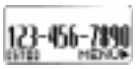
2. During Analog Mode, or while "**No Service**" is indicated, the time display is not available even if this feature is enabled.

## End to End Signaling

To utilize certain phone services, such as accessing an alternate long distance network, signaling a pager or banking by phone etc., Touch Tone™ signaling is required. The following features will make it easy to send frequently used Touch Tone™ signals.

**Touch Tone™ from Display**

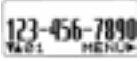
When **Sending DTMF** mode is on, the number will be sent in Touch Tone™ signals during a call as you press digit keys. When **Sending DTMF** mode is off, you can send Touch Tone™ signals in the following manner.

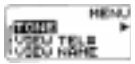
1. Enter the number 

2. Press and scroll to "**Tone**".
3. Press . The number in the display will be sent in Touch Tone™ signals.

**Touch Tone™ from Memory**

Touch Tone™ signals can be sent from memory during a call.

1. Press , and recall the number you want to send in Touch Tone™ signals. 

2. Press and scroll to **"Tone"**. 

3. Press . The number in the display will be sent in Touch Tone™ signals.

## PHONEBOOK OPERATIONS

Your phone has an Enhanced Phonebook with 99 dual-number memory addresses. At each address, you can store up to two telephone numbers under one name, a person's home and office number, office and mobile number, etc. Stored numbers can be easily recalled and dialed by pressing . Numbers can also be marked Secret for added privacy,

**Number of Digits per Phonebook Address**

| Address | Single Number or Dual Numbers | Linked Numbers |
|---|---|---|
| 01-90 | Up to 32 digits | Up to 40 digits |
| 91-99 | Up to 32 digits | Up to 80 digits |
| Note | Includes Dual Mark and Manual Hyphens | Includes Link Marks and Manual Hyphens |

### Phonebook Entry

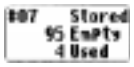
To program your phonebook, enter the information in the following order. You may skip "Name", "Option" and/or "Voice".

CLR Number STO Name STO Option Address Voice

**To Store a Number without Name**

1. Press , then enter the phone number.
2. Press , then enter the desired memory address (01 through 99).

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 in address 07.

1. Press .
2. Enter .
3. Press .
4. Enter and press . 

**Overwrite Warning**

When you attempt to store a number in an address where another number has already been stored, you will have "**OVER-WRITE**" warning.

**Example:** To store the number 9 8 7 6 5 4 3 2 1 0 in the address 07, where another number 1 2 3 4 5 6 7 8 9 0 is already stored.

1. Press CLR.
2. Enter 9 8 7 6 5 4 3 2 1 0.
3. Press STO STO.
4. Enter 0 7. The number already stored is displayed momentarily.
5. Two seconds later.
6. If you accept to overwrite, scroll to "**YES**" and Press F▸ ▾ F▸.
7. If you do not want to overwrite, scroll to "**NO**" and press F▸. The screen returns to the step 3 again.

**Auto Hyphenation**

With this feature on, hyphens are automatically inserted when you enter telephone numbers and when you recall the numbers from the Phonebook

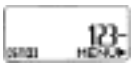
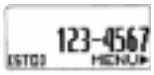
| Length of Number | Display Example |
|---|---|
| 10 digits or less | 123-456-7890 |
| 11 to 21 digits | 1-234-567-89012 |
| 22 digits or more | No hyphens |

***Note:*** *When you manually insert hyphens, the "**Auto Hyphenation**" feature will not work for that particular number.*

**Manual Hyphenation**

You can manually insert a hyphen at any place when you enter a telephone number. The maximum number is 32 digits long including hyphens.

**Example:** To insert a hyphen in the number 1 2 3 4 5 6 7 to display it as 123-4567.

1. Press CLR.
2. Enter 1 2 3.
3. Press F▸ and scroll to "**HYPHEN**".
4. Press F▸. 
5. Enter 4 5 6 7. 

**Automatic Storing in Phonebook**

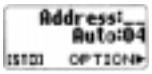
This feature allows convenient automatic storing into a vacant phonebook address. The number will be stored in the first available memory address which will be indicated in the display. This feature can prevent the possible overwriting

of a previously stored number.

1. Enter the phone number.
2. Press STO STO STO.

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 into a vacant memory address 04.

1. Press CLR.
2. Enter 1 2 3 4 5 6 7 8 9 0.

3. Press STO STO. 

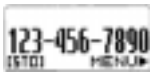
4. Press STO ▼ F▸.


**To Store Dual Numbers in Phonebook**

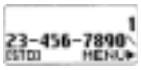
You can store Dual Numbers with Dual Mark " \ " up to 32 digits for all the addresses 01 to 99 in the phonebook.

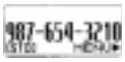
To store two telephone numbers in one phonebook address, enter the first number, select the Dual Mark " \ " by using Menu, then enter the second number.

**Example:** To store the primary number 1 2 3 4 5 6 7 8 9 0 and the secondary number 9 8 7 6 5 4 3 2 1 0 in address 08.

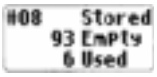
1. Press CLR.
2. Enter 1 2 3 4 5 6 7 8 9 0. 

3. Press F▸ and scroll to "**DUAL MARK**".

4. Press F▸. The Dual Mark " \" is inserted. 

5. Enter 9. 

6. Press STO STO.

7. Enter 0 8 and press ▼ F▸. 


***Note:*** *You can add a second number after storing a first number.*

**To Store a Name with the Phone Number**

To use this procedure, you will need to refer to "**Alpha Mode**" below.

1. Enter the phone number.
2. Press STO STO to select the Alpha Mode.
3. Enter the name.
4. Press STO, then enter the memory address (01 through 99) to store the number with the name into memory.

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 with the name Mr. JACKSON into memory address 11.

1. Enter the phone number; .
2. Set Alpha Mode;
3. Enter the Name;

for "M", for "r", for ".", for "J", for "A", for "C", for "K", for "S", for "O", and for "N".

4. Press .
5. Enter and press .

**Alpha Mode**

You can add an identifying name ("Alpha Tag" up to 2 lines or 20 to 24 characters) to the phone numbers at each phonebook address.

**To Enter Names using Alpha (Letters)**

1. Press , than enter the phone number.
2. Press .
3. Press digit key repeatedly to display the letter that you want. The following table shows which character is assigned with each digit key. For example, to enter the letter "D", press once. For the letter "F", press three times.

| Key | 1 press | 2 press | 3 press | 4 press | 5 press |
|---|---|---|---|---|---|
| 1 | Blank | 1 | | | |
| 2ABC | A/a | B/b | C/c | 2 | |
| 3 DEF | D/d | E/e | F/f | 3 | |
| 4 GHI | G/g | H/h | I/i | 4 | |
| 5 JKL | J/j | K/k | L/l | 5 | |
| 6 MNO | M/m | N/n | O/o | 6 | |
| 7 PQRS | P/p | Q/q | R/r | S/s | 7 |
| 8 TUV | T/t | U/u | V/v | 8 | |
| 9 WXYZ | W/w | X/x | Y/y | Z/z | 9 |
| 0 OPER | 0 | | | | |

4. To change from upper to lower case characters or vice versa, press during entry of Alpha.
5. To enter special characters, press or and a digit key to select characters from the table below.

**Assigned Special Characters**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ! | 2 | ? | 3 | _ | 1 | ( | 2 | ) | 3 | : |
| 4 | + | 5 | - | 6 | . | 4 | < | 5 | > | 6 | & |
| 7 | * | 8 | / | 9 | = | 7 | " | 8 | ' | 9 | # |

6. If you make a mistake, press CLR to erase the last character. Press and hold CLR to erase the characters on the display
7. Press F▸ to move the cursor, which insets a blank space after the last character.
8. Press ◂ ▴ ▾ F▸ to move the cursor back to insert new characters.
9. To exit the Alpha Mode, press ⏻.

***Note:*** *You must enter the phone number first, then add the name. Entering a number after the name will erase the name.*

**To Store a Ring Type with the Phone Number (Distinctive Ringing)**

You can choose one of 15 ring types for each phonebook address. With this feature, you will be able to distinguish who is calling by hearing the ringing tone. The ring type is selected while storing the number when the word "**OPTION**" appears.

**Example:** To store a number with Ring Type #02 in the address 12.

1. Enter the phone number, and press STO STO.

2. Press F▸ and scroll to "**RING TYPE**".

3. Press F▸ and scroll to one of the numbers, which you want to set.

4. Press F▸ and scroll to sample the different ring types.

5. Press F▸ to set the new ring type.

6. Enter 1 2abc and press .

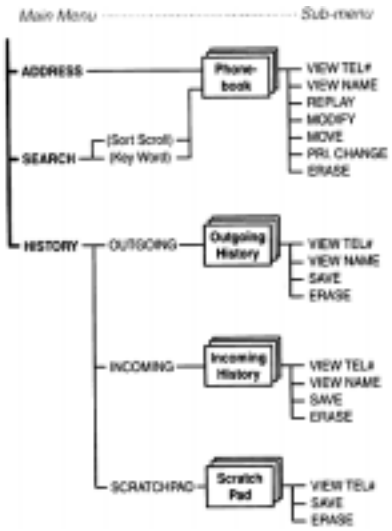

***Notes:*** *1. If you have one number only, the step 3 is skipped.*
*2. The "**COMMON**" shown in the step 4 is the ring type you selected with the Function Menu.*

**Recall Menu**

Press key. The following "**RECALL**" menu will prompt you to recall the number from memory.

- "**ADDRESS**": Phonebook Address Mode
- "**SEARCH**": Phonebook Sort Scroll Mode or Phonebook Key Word Search Mode
- "**HISTORY**": Call History Mode

**Recall Menu Tree**




***Notes:*** *1. The submenu "PRI.CHANGE" will be available only when two telephone numbers are stored in that address.*

*2. The submenu "REPLAY" will be available only when your voice is stored in that address.*

**<u>Phonebook Recall</u>**

To recall the numbers stored in your phonebook, you have three methods: Address Mode, Sort Scroll Mode and Key Word Search Mode.

**Phonebook Address Mode**

This mode is useful in finding a phone number by recalling a specific address or by scrolling the Phonebook.

1. Press .
2. Enter the two-digit Memory Address.
3. Press or to scroll.

***Note:*** *The scroll feature will skip any vacant memory address(es).*

**Phonebook Sort Scroll Mode**
This mode sorts and displays, in alphabetical order, telephone numbers stored with "Alpha Tags" (Names). Blank digits on tip will be disregarded for scroll.

**Example:** To display the numbers stored in the memory alphabetically from "**J**".

1. Press .

2. Press 5 JKL for "**J**".

3. Press .

4. Press .

5. Press .


***Note:*** *When the Alpha Tag is 2 lines long, only the Alpha Tag is displayed without the telephone number. However, a call can still be made by simply pressing* .

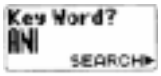
**Phonebook Key Word Search Mode**

This mode searches and displays the character string of Alpha Tags stored in the Phonebook. Any part of the Alpha Tag can be used for the search.

**Example:** To search the character string AN stored in the Phonebook.

1. Press .

2. Press 2 ABC for "**A**".

3. Press 6 MNO 6 MNO for "**N**". 

4. Press .

5. Press .

6. Press .

7. Press .

8. Press .


***Notes:*** *1. The key word can be searched regardless of upper or lower case letters.*
*2. When the Alpha Tag is 2 lines long, only the Alpha Tag is displayed without the telephone number. How*

*ever, a call can be made by simply pressing* .

**To Dial Dual Numbers**

After the numbers is recalled in the display, it can be easily called by pressing .

- To dial the primary number, just press .
- To dial the secondary number, press .

**To Review Long Numbers**

This feature allows you to review all the digits of very long numbers or numbers stored with Alpha Tags.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press and scroll to "**VIEW TEL#**", and the entire digits of the number will be displayed.

**To Review Long Names**

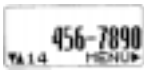
This feature allows you to review whole Alpha Name Tag stored with dual numbers.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press and scroll to "**VIEW NAME**". Press again, and all the characters of the Name will be displayed.

**Prepending Dialing**

This feature will be convenient when you need to add an area code to the number in the phonebook.

**Example:** To add 1 2 3 to a number 4 5 6 7 8 9 0.

1. Recall the number. 

2. Enter 1 2ABC 3DEF.

3. Press . Then the call is placed to 123-4567890.

***Note:*** *The added digits will not be stored in the phonebook memory.*

## Phonebook Edit

This section guides you how to modify, move, change priority and erase the phonebook contents.

**To Modify Numbers and Names**

You can modify any of the phonebook contents you have stored, including Phone Numbers, Names, Ring Type, Secret and Address.

***To Modify Phone Numbers***

Recall the number from the phonebook. Press F▸ to select "**MENU**", then scroll to "**MODIFY**" and press F▸.

Enter the new digit(s) and delete the old digits(s) by pressing CLR. To move the cursor, press the ˄ to left, ˅ to right.

***To Modify Alpha Name Tag***

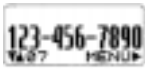
Recall the number and proceed to "**MODIFY**" as above. Press STO, and the Name Tag will appear by itself. Press CLR to clear the letter(s), and enter the new Name.

***To Modify Address***

After you modified number/name, just press STO without entering new address, and the current phonebook address will be overwritten. If you enter a new address, and press STO, the modified number/name will be combined to the new address, while the original address will remain unchanged.

***To Enter a Second Number***

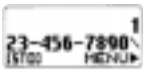
**Example:** To add the secondary number 9 8 7 6 5 4 3 2 1 0 in the address 07.

1. Recall the number stored in the memory address 07. 

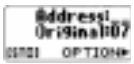
2. Press F▸ and scroll to "**MODIFY**".

3. Press F▸.

4. Press F▸ and scroll to "**DUAL MARK**".

5. Press F▸. The Dual Mark " \" is inserted. 

6. Enter 9 8 7 6 5 4 3 2 1 0.

7. Press STO, STO. 

8. Press STO. The original number is displayed momentarily.

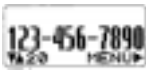
9. Two seconds later.

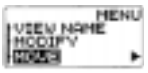
10. Press F▸ ˅ F▸ to store in the original address.


**To Move Numbers and Names**

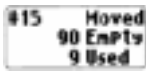
You can move the phonebook contents to a new address. The original address will then be erased.

**Example:** To move the number 1 2 3 4 5 6 7 8 9 0 from the address 20 to 15.

1. Recall the number stored in the address 20. 

2. Press and scroll to "**MOVE**". 

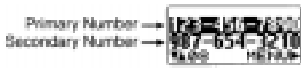
3. Press .

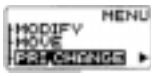
4. Enter as a new address. 

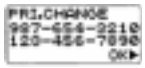

**To Change Priority of Dual Numbers**

You can interchange the primary and the secondary numbers in a phonebook address. The submenu "**PRI.CHANGE**" will only be available when two telephone numbers are stored in that address.

**Example:**

1. Recall the number. 

2. Press and scroll to **"PRI.CHANGE**". 

3. Press . The display shows the status after change. 

4. Press to decide it.

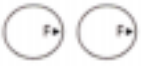
***Note:*** *The primary number will be dialed when you use* ***Speed Dialing*** *and* ***Quick Dialing*** *features.*

**To Erase Numbers and Names**

This feature erases the number already stored in the Phonebook.

**Example:** To erase the number 9 8 7 6 5 4 3 2 1 0 1 2 3 stored in the memory address 16.

1. Recall the number stored in the memory address 16.

2. Press  and scroll to "**ERASE**".

3. Press . The number is shown again.

4. Two seconds later the screen is changed.

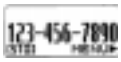
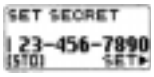
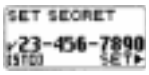
5. To erase the number scroll to "**YES**", otherwise "**NO**", and press .

## Secret Memory

**To Store a Secret Number**

This feature permits you to store a phone number that you want to keep secret in your phonebook. The secret number can be accessed only by entering the **security code**.

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 in address 30 as a secret number

1. Press CLR
2. Enter 1 2 3 4 5 6 7 8 9 0. 
3. Press STO, STO,.
4. Press F and scroll to "**SECRET**".
5. Press F. 
6. Press F to put a mark "✓" on the number to be secret.
7. Press STO. 
8. Enter 3 0 and press . F to store it.

**To Recall a Secret Number**

**Example:** To recall the number 1 2 3 4 5 6 7 8 9 0 stored in the address 30.

1. Use Phonebook Search Mode to recall a secret number.
2. Press F.
3. Enter the four-digit security code and press F.

## Link Dialing

This feature permits you to link groups of numbers to be sent in sequence. The linked numbers can be stored in memory. When dialed, the first group of numbers will be sent in Touch Tone™ group by group each time you press .

**To Store Linked Numbers in Phonebook**

Linked Numbers can be stored using any of the procedures described under memory operations (at a specific address, with a Name Tag, at the next vacant memory location or as secret). The only difference is, that a Link Mark " = " must be entered between the linked numbers. The linked mark is entered using the key sequence F F.

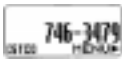
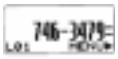
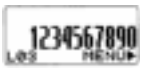
You can store Linked Numbers with Link Marks "=" up to 40 digits for the address 01-90, and up to 80 digits for the address 91 to 99 in the phonebook.

The example below shows how to store a Linked Number at a specific memory address.

1. Enter the first number
2. Press F F. A link mark " =" will be added at the end of the number.
3. Enter the second number. If you wish to link additional number(s), return to 2.

4. Press STO, STO, then enter the memory address (01 ~ 99).

**Example:** To link 3 numbers and store in Address 35.

1. Enter 7PQRS 4GHI 6MNO 3DEF 4GHI 7PQRS 9WXYZ. 
2. Press F1.
3. Press F1. 
4. Enter 1 2ABC 3DEF.
5. Press F1.
6. Press F1.
7. Enter 1 2ABC 3DEF 4GHI 5JKL 6MNO 7PQRS 8TUV 9WXYZ 0OPER. 
8. Press STO, STO 3DEF 5JKL . F1.

F1 F1

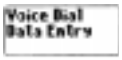
F1

[redacted]

#Bd

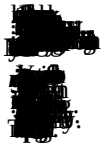
IN USE

STO STO STO

F1 

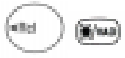
Voice Data
19 Empty
1 Used
025 Stored
09 Empty
10 Used

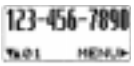
123-456-7890



RECALL

HISTORY
OUTGOING
INCOMING
SCRATCHPAD



1. Press . The most recent call is displayed. 

2. Scroll with or to review other numbers.
3. You can place a call by simply pressing .

When duplicate numbers are called, only the latest call is stored in the outgoing call history memory.

**To Review Incoming Call History**

**Example:** To recall a received Caller ID from Memory Stack.

1. Press . The most recent call is displayed.

2. Press . A time stamp is shown, if available.

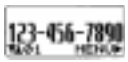
3. Press . A name is shown, if available in your phonebook.

4. You can place a call by simply pressing .

In the incoming call history, the call are marked with "¨ " or "à". Numbers with "¨ " represent calls you missed, and numbers with "à" represent calls that you answered. When duplicate numbers are received, only the latest call is stored in the incoming call history memory.

**To Review Scratch Pad**

**Example:**

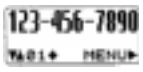
1. Press . 

2. Scroll with or to review other number.
3. You can place a call by simply pressing .

**To Save a Number to Phonebook**

The numbers of Call History and Scratch Pad Memory can be stored in your phonebook. You can add a name in the same way as "**MODIFY**".

**Example:** To save a received Caller ID Phonebook.

1. Recall a number. 

2. Press and scroll to "**SAVE**".

3. Press .

4. Press , .

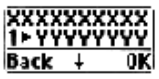
5. Enter as an address, and press .

## WEB BROWSING

When operating in the Digital mode, you can access various internet websites directly from your cellular phone. Please contact your Service Provider for details of the available service.

**Web Access**

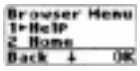
1. Press and hold . The Web Browser will start. The cached information may be displayed.
2. Press and hold CLR, your phone will access the network, and desplay your service provider's website.

**Example:** 


3. Scroll the page by or .
4. Press or to select the menu option in the bottom line of the display.
5. To return to the previous page, press CLR.
6. To terminate the network access, press . You can still browse the cached information.
7. Press again to close the web browser.

**Browser Menu**

Press key while the browser is active to see the browser's local menu.

1. **Help:** To get help information. 

2. **Home:** To get back to the Home page. Press and hold CLR will do the same.
3. **Mark Site:** To store the current page in your bookmark list.
4. **GoTo URL:** To input URL (Uniform Resource Locator), and access that page.
5. **Show URL:** To display the URL of the current page.
6. **Restart:** To clear the cache memory in your browser.
7. **Phone.com:** To display the version of your browser.
8. **Advanced:** To use for security.

**Alpha Entry in Browser Mode**

"**Alpha**" mode will automatically be active when it is necessary to enter alphabet character such as URL.

**Example:**


***ALPHA/alpha – Alphabet Mode***

Press V+ to switch upper and lower cases. Press to move the cursor to left, and to right. To exit the Alphabet Mode, press .

***Alphabet Mode***

| Key | 1 Press | 2 Press | 3 Press | 4 Press | 5 Press |
|---|---|---|---|---|---|
| 1 | Blank | 1 | @ | / | : |
| 2 ABC | A/a | B/b | C/c | 2 | |
| 3 DEF | D/d | E/e | F/f | 3 | |
| 4 FHI | G/g | H/h | I/i | 4 | |
| 5 JKL | J/j | K/k | L/l | 5 | |
| 6 MNO | M/m | N/n | O/o | 6 | |
| 7 PQRS | P/p | Q/q | R/r | S/s | 7 |
| 8 TUV | T/t | U/u | V/v | 8 | |
| 9 WXYZ | W/w | X/x | Y/y | Z/z | 9 |
| 0 OPER | 0 | - | , | ? | ! |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | * | @ | - | _ | / | $ | % | ( | ) | + |
| | # | . | , | ? | ! | ’ | " | ; | : | |

***Symbol Mode***

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| SYM1 | . | ! | ? | , | - | ’ |
| SYM2 | " | ( | ) | @ | # | ; |
| SYM3 | / | $ | & | % | + | * |
| SYM4 | ; | < | > | = | [ | ] |
| SYM5 | _ | { | } | - | ‘ | ^ |
| SYM6 | \| | \ | | | | |

## Messaging Features

Your CDS-4500 Audiovox Cellualar Telephone has been engineered to operate with the latest technology that will allow you to enjoy the benefit of Voice Mail Notification and Text Messages. Please note that operation of these features depends on the Cellular System and therefore may not bew available in all areas.

***Message Indicator***

A message indicator shows you the current status as explained below.

| | |
|---|---|
| Flashing | You have new Text Messages or new Voice Mail Notification. |
| Steady | You have Text Messages or Voice Mail Notification, which you have seen already. |
| Off | Neither Text Message nor Voice Mail Notification. |

In addition to the indicator, whenever your Voice Mail contains unreviewed messages, you will occasionally hear a short beep as a reminder.

## Voice Mail

### Voice Mail Notification

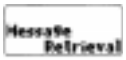
Your cellular telephone notifies you when new messages are in you Voice Mail. When messages are left in your Voice Mail, the indicator at the upper right of the display flashes to alert you.

#### *Normal Voice Mail Notification*

When your phone is notified by the cellular system that there are messages in your Voice Mail, the following occurs.

1. The phone sounds a short beep tone.
2. The indicator at the upper right of the display flashes to alert you. The display indicates "**NEW MESSAGE**" with animation.
3. The Phone's Memory Stack is updated as to the number of unreviewed messages in your Voice Mail.

#### *Voice Mail Notification with Mail Retrieval Service (MRS)*

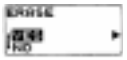
1. The phone sounds a short beep tone. 
2. Press to answer the incoming call, your phone will be connected to your Voice Message Service so that you may retrieve your messages.
3. If you choose not to answer the incoming call, "**Message Retrieval**" will be stored in the stack for retrieval of your messages at a later time.

### To Display the Number of Voice Mail Messages

**Example:**

1. Press . A mark " * " is flashing, when a new message is available.
2. Press to select "**VOICE**".
   The number of messages in your Voice Mail will be displayed.
3. If a Text Message is attached to the Voice Mail Notification, the text Message can be reviewed by . Otherwise this step is skipped.

4. Press . Scroll to "**QUIT**" or "**ERASE**" the notification you reviewed.

5. Press . 

6. To erase the Voice Mail Notification, scroll to "**YES**", otherwise **NO**", and press .

**Voice Mail Dialing**

You can store one set of linked numbers in a specially provided memory, and access these numbers with one touch of the "Voice Mail Access" key .

***To Store the Voice Mail Access Number***

Please see **"To Store Linked Numbers in Phonebook"** and follow the steps 1 ~ 3 to make a set of linked numbers. Press to store. Up to 80 digits of linked numbers can be stored including link mark " = ". You can also add a Name Tag (up to 20 to 24 characters) with your voice mail number.

***To Call Your Voice Mail***

1. Press and hold . The first number will be displayed and dialed.
2. Press . The second number will be displayed and sent in Touch Tone™ signal.
3. The succeeding numbers can be sent sequentially by pressing .

***To Review the Voice Mail Access Number***

1. Press to select the Phonebook Address Mode.
2. Press . The first linked number in will be displayed.
3. Press (one or more times) to display the remaining linked numbers in .

**<u>Text Messages (Short Message Service)</u>**

Your phone is able to receive and display Text Messages of up to 255 characters long. The Text Message memory stack can store up to 30 messages. When an SMS message is received, the following occurs.

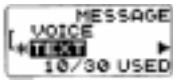
1. A short beep tone sounds.
2. The indicator at the upper right of the display flashes to alert you. The display indicates "**NEW MESSAGE**" with animation.
3. The Text Message just received is stored in the Memory Stack.
4. If the Memory Stack is full, any new Text Messages will not be stored, and you will have the display:


**To Review a Text Message**

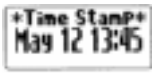
Text messages are stored in the address 01 to 30 in the memory stack. The address 01 has the last message. Every message moves to the next address when a new message is stored.

**Example:** To display a Text Message stored in the Memory Stack.

1. Press and scroll to "**TEXT**". You have now 10 Text Messages out of 30 memories. A mark "*" is flashing,

when a new message is available. 


2. Press . The first Text Message is displayed. A longer message will be automatically scrolled every 6 seconds.

3. Press or wait for 6 seconds to review an optional information. 


4. Press or wait for 6 seconds. If a Callback Number is displayed, you can dial it by simply pressing .

5. Press and scroll "**QUIT**" or "**ERASE**" for the message that you just reviewed.


6. Press to select.


7. To erase the Text Message, scroll to "**YES**", otherwise "**NO**", and press .

8. To review another message, scroll with or .

***Notes:*** *New Text Messages are marked with "¨". Text Messages you have already reviewed are marked with "*à*".*

## FUNCTION MENU

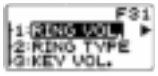
### To Access Function Menu

Various phone settings can be changed through Function Menu to customize your phone's functions to fit your convenience. See **Function Menu Tree** below. You can reach the Function you want to access in two ways; Scroll and Shortcut.

***By Scrolling***

1. Press to enter Main Menu.


2. Scroll with or key to the desired item in the Main Menu.


3. Press to enter the submenu. 


4. Scroll with or key to the desired item in the submenu.


5. Press to enter the function.

***By Shortcut***

Each Function has its shortcut number for direct access. For example, to enter the function "**RING TYPE**" (F32) press .

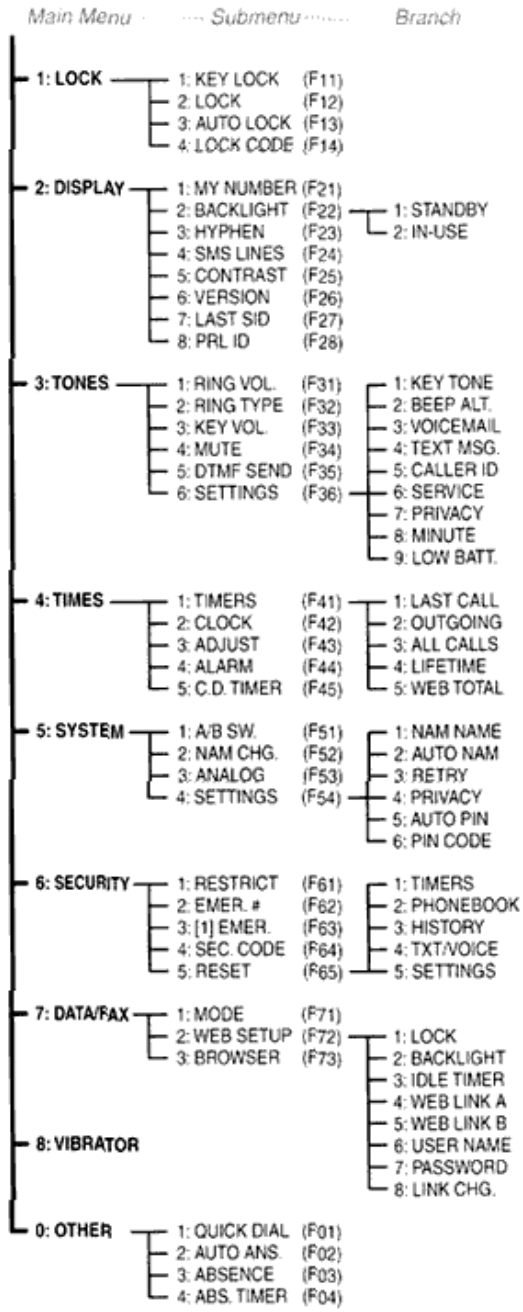
***To Exit from Function Menu***

- To return from a submenu to the main menu, press .
- To exit from Function Menu, press .

**Notes:** 1. A mark "▶" at the right in a menu prompt you that you can see its detailed items by pressing

2. A mark "✓" shows the current setting of the function.

**Function Menu Tree**




## Lock Features

**Security Code and Unlock Code**

Your phone is equipped with the Security Code and the Unlock Code to access various security features. You may change the preset codes for added protection.

| Code | Preset | Description |
|---|---|---|
| Security Code | 1234 | To access Secret Number, to set Call Restriction, etc. |
| Unlock Code | 1234 | To unlock the Phone. |

**Keypad Lock (F11)**

This mode is used for preventing inadvertent pressing of keys. (For example, when the phone is in a purse or pocket.) With this feature on, the following functions are still available.

- Incoming calls can be answered with .
- Programmed emergency numbers can be called. (Except for **OneTouch Emergency Call**.)

When this feature is on, the following functions are not available.
- Automatic Answering
- Any Key Answering
- OneTouch Emergency Call
- Quick Dialing
- Turning off the phone by .

**To Activate/Deactivate this feature:**

1. Press F 1 1 to activate "**Keypad Lock**" mode. KeyPad Lock
2. Press F 1 1 again to deactivate.

**Phone Lock (F12)**

This mode is useful to prevent unauthorized use of the phone. With this feature on, the following functions are still available.

- Incoming calls can be answered with .
- Any Key Answering
- Programmed Emergency Call
- OneTouch Emergency Call
- Turning off the phone by .

The following functions are not available when this feature is on.
- Automatic Answering
- Quick Dialing

***To Activate:***

1. Press F 1 2 ABC 1 2 to activate "**Phone Lock**" mode. Phone Lock

***Note:*** *The phone will remain locked even if the power is turned off.*

**Automatic Phone Lock (F13)**

If you activate this feature, the phone will automatically go into the phone lock condition after it is turned off. When you

turn the phone on, you must enter the four-digit unlock code before it operates.

1. Press

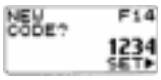
.
2. You can turn this feature on/off by or .
3. Press to set.

**To Unlock the Phone**

1. Enter the four-digit unlock code.
2. The "**Phone Lock**" indicator will go out.

**To Change the Unlock Code (F14)**

1. Press

.
2. Enter the four-digit security code and press .
3. The current unlock code will be displayed. 

4. Enter a new four-digit unlock code and press .

## Display Features

**Own Telephone Number Display (F21)**

This feature enables you to display your own telephone number and the ID number (SID) of your "Home" Cellular System.

Press

.

**Backlight Control (Standby) (F22-1)**

The LCD display and keypad are backlighted automatically after Power-On. The Backlighting duration can be changed. Four modes are available.

1. Press

.
2. Press

.
3. You can change the current mode by or .
4. Press to set.

· ***10SEC – 10 Seconds Mode***

Backlight is on for 10 seconds after a key is pressed. It also lights automatically when the power is turned on and for an incoming call. The duration is variable between 5 to 30 seconds, by pressing .

· ***OFF – Off Mode***

Backlight is on momentarily when the power is first turned on, but remains off thereafter.

· ***ALWAYS ON – Always On Mode***
Backlight is always on.

***Note:*** *You can keep the backlight on while you are engaged in conversation. See* ***Backlight Control (In-Use) (F22-2)****.*

**Backlight Control (In-Use) (F22-2)**
For ease of operation, you may select to have the backlight always on while you are engaged in a conversation. When this feature is set to the "**ALWAYS ON**" mode, the backlight is turned on as long as the call is connected

1. Press F▸ 2ABC 2ABC, and scroll to "**IN-USE**".

2. Press F▸.

3. Scroll with ˄ or ˅ to "**NORMAL**" or "**ALWAYS ON**".
4. Press F▸ to set.

**Auto Hyphenation (F23)**

1. Press F▸ 2ABC 3DEF.

2. Scroll with ˄ or ˅ to "**ON**" or "**OFF**".
3. Press F▸ to set.

**SMS Text Lines Selection (F24)**
You can select to have Text Messages displayed in either 3 or 4 lines.

1. Press F▸ 2ABC 4GHI.

2. Scroll with ˄ or ˅ "**3LINES**" or "**4LINES**".
3. Press F▸ to set.

**Contrast Control (F25)**
The LCD display contrast can be adjusted in 7 steps for your best condition.

1. Press F▸ 2ABC 5JKL.

2. Adjust the contrast with ˄ or ˅.
3. Press F▸ to set.

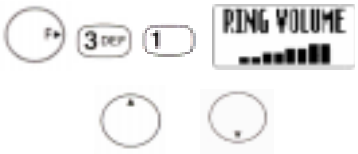
**Software Version Review (F26)**
This feature permits you to review to software version which is installed in your phone.

1. Press F▸ .

2 ABC
7 PQRS
LAST F27
RESCAN
SID 00020
NID 00005

2 ABC
8 TUV
PRL ID F20
12345
OK




3 DEF
1
RING VOLUME

3 DEF
2 ABC
RING F02
TYPE
RING#01
RING#02

3 DEF
2 ABC
KEY VOLUME

F▸ 3 DEF 4 GHI

Mute

F▸ 3 DEF 4 GHI

F▸ 3 DEF 5 JKL

DTMF SEND F#S
ON
OFF

F▸

F▸ 3 DEF 6 MNO

F#S
1:KEY TONE
2:BEEP ALT
3:VOICEMAIL

F▸ 3 DEF 6 MNO 1

KEY TONE F#S
LENGTH
NORMAL
SHORT

F▸

F▸ 3 DEF 6 MNO 2 ABC

BEEP F#S
ALERT
ON
OFF

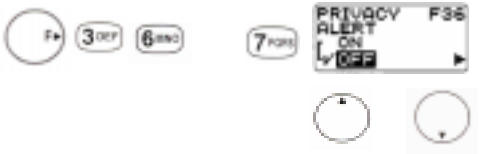
F▸

3 DEF
6 MNO
3 DEF
VOICEMAIL F36
ALERT
ON
OFF

3 DEF
6 MNO
4 GHI
TEXT MSG. F36
ALERT
ON
OFF

3 DEF
6 MNO
5 JKL
CALLER ID F36
ALERT
ON
OFF

3 DEF
6 MNO
6 MNO
SERVICE F36
ALERT
ON
OFF


3 DEF
6 MNO
7 PQRS
PRIVACY F36
ALERT
ON
OFF

F▸ 3DEF 6MNO 8TUV

▲ ▼

F▸

F▸ 3DEF 6MNO 9WXYZ

▲ ▼

F▸

F▸ 4GHI 1

F▸

F▸ 4GHI 1 2ABC

F▸

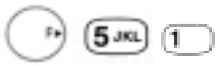
F▸ 4GHI 1 3DEF

F▸

F▸ 4GHI 1 4GHI

F▸
4 GHI
2 ABC
CLOCK F42
ON
OFF

F▸


F▸
5 JKL
1

A/B F51
SWITCH
AUTO ROAM
HOME ONLY

F▸

NAM
CHANGE
F52
#1 4567890
#2 6543210

FORCE
ANALOG
F53
NO

F54
1: NAM NAME
2: AUTO NAM
3: RETRV

NAM NAME
TAG
F54
#1 <NO NAME>
#2 <NO NAME>

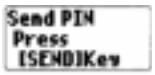
NAM NAME
F54
[STO]

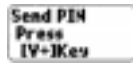
AUTO
NAM
F54
ON

IN USE

VOICE
PRIVACY
ENHANCED
STANDARD
F5A

VOICE
PRIVACY
ENHANCED
STANDARD
F5A


Send PIN
Press
[SEND]Key


Send PIN
Press
[V+]Key

AUTO PIN F54
ON
OFF

SECURITY CODE:
OK

NEW CODE? F54
SET

SECURITY CODE:
OK

RESTRICT F61
OFF
110DIGITS

SECURITY
CODE:
OK

F▸ 6 MNO 4 GHI

SECURITY CODE

F▸

NEW CODE? F64
1234
SET▸

F▸

F▸ 6 MNO 5 JKL

SECURITY CODE

F▸

RESET F65
1:TIMERS ▸
2:PHONEBOOK

F▸ 6 MNO 5 JKL

F▸

1

RESET F65
TIMERS
NO ▸

F▸

F▸ 6 MNO 5 JKL

F▸

2 ABC

RESET F65
PHONEBOOK
NO ▸

F▸

F▸ 6 MNO 5 JKL

F▸

3 DEF

RESET F65
HISTORY
NO ▸

F▸

F▸ 6 5 JKL

F▸

4 GHI

F▸

F▸ 6 5 JKL

F▸

5 JKL

F▸

F▸ 7 1

F▸

F▸ 7 1 F▸

VIBRATOR FU
ON

QUICK
DIAL
ON
OFF
F01

AUTO
ANSWER
ON
F02

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